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(1) Publication number: 0 517 494 A3

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## **EUROPEAN PATENT APPLICATION**

(21) Application number: 92305073.6

(51) Int. Cl.5: A61N 1/372

22) Date of filing: 03.06.92

30) Priority: 07.06.91 US 710716

(43) Date of publication of application: 09.12.92 Bulletin 92/50

Designated Contracting States:
 AT BE CH DE DK ES FR GB GR IT LI LU MC NL
PT SE

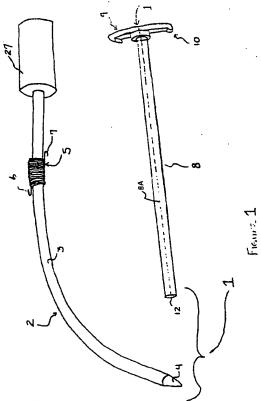
Barrier Description (Barrier Bernard)
88 Date of deferred publication of search report:
17.03,93 Bulletin 93/11

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(54) Insertion and tunneling tool for a subcutaneous wire patch electrode.

A tool (1) for subcutaneously implanting a subcutaneous electrode comprising several wire patch electrode segments by way of a single surgical incision. The tunneling tool (1) comprises a stylet (2) and a peel-away sheath (8). The tunneling tool (1) is inserted into an incision, in a direction which corresponds to the desired placement of an electrode segment. Once the tunneling tool reaches a desired position, the stylet (2) is withdrawn, thereby revealing the interior of the peel-away sheath (8) and a resulting subcutaneous tunnel. The corresponding electrode segment is then inserted into this subcutaneous tunnel, and subsequently implanted in the patient. The implantation procedure is then repeated as many times as is necessary, using the same incision, until all the electrode segments for the particular electrode configuration have been implanted. In addition, the tunneling tool (1) can be adapted to conform to varying electrode segment sizes. which thereby allows the tool to conform to the varying needs of each individual patient. As an even further feature, the tunneling tool (1) can be constructed in a curved configuration to facilitate electrode implantation in the lateral thoracic region of the body.



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Application number

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PARTIAL EUROPEAN SEARCH REPORT
which under Rule 45 of the European Patent Convention shall be considered, for the purposes of subsequent proceedings, as the European search report

	DOCUMENTS CONS	EP 92305073.6			
Category	Citation of document with indication, where appropriate, of relevant passages		Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. CI.)	
x	<u>US - A - 4 596 559</u> (J.J. FLEISCHHACKER)		1-3,7, 11,12	A 61 N 1/372	
Y	* Totality	•	9,10	•	
x	EP - A - 0 280 (BARD LTD.)	0 528	1,7,12		
Y A	* Totality	* Totality *			
x	<u>US - A - 4 888</u> (P.H. McQUILK		1,7,12		
Y A	* Totality	*	9,10 2,3,11		
Y	GB - A - 2 103 (H.G. WALLACE * Figure 1	LTD.); abstract; page	1.,		
Y	lines 3-5; claims 1,2 *  EP - A - 0 362 462 (CATHETER TECHNOLOGY)  10			A 61 B A 61 M A 61 N	
	APLETE SEARCH				
out a mea Claims ser Claims ser Claims no Reason to Met ani	th Division considers that the preseions of the European Patent Conveningful search into the state of the arrival earched completely: 1-12 arched incompletely: 13-1 or the limitation of the search: 13-1 or the limitation of the search: 15-1 or the limitation o	on the basis of some of the claims .8 at of the human opery or therapy	5.		
VII	Place of search	Date of completion of the st	serch LUDV	Examiner VIG	
CATEGORY OF CITED DOCUMENTS  X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure D: technological background A: technological background C: non-written disclosure A: technological background C: non-written disclosure A: member of the same patent family, corresponding					

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P : intermediate document

document



	CLAIMS INCURRING FEES					
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The	ore <b>se</b> nt	European patent application comprised at the time of filing more than ten claims.				
[		All claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.				
ſ	٦	Only part of the claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid,				
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		namely claims:				
[		No claims fees have been paid within the prescribed time limit. The present European search report has been				
•		drawn up for the first ten claims.				
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	1 44	CK OF UNITY OF INVENTION				
The	ą.	Division considers that the present European patent application does not comply with the requirement of unity of				
		nd relates to several inventions or groups of inventions,				
nam	eły:	1. Claims: 1-12: ("A funneling fool for")				
		2. Claims: 19-25: ("A body implantable				
		electrode")				
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		All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.				
	П	Only part of the further search fees have been paid within the fixed time limit. The present European search				
	_	report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid.				
		namely claims:				
	X	None of the further search fees has been paid within the fixed time limit. The present European search report				
		has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims.				
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## PARTIAL EUROPEAN SEARCH REPORT

-2-EP 92305073.6

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ategory	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	APPLICATION (Int. CI.X) 5
A	CORPORATION)  * Figure 1; abstract; column 1, lines 1-13; column 2, lines 15-32; column 5, lines 4-11; column 8, lines 20-27; claims 1,20 *  DE - A - 2 929 233 (MEDTRONIC INC.)		
	* Fig. 1; claims 1,3,5; page 13, line 6 - page 16, line 15 *		TECHNICAL FIELDS SEARCHED (Int. CL4)
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